



US 20160023632A1

(19) **United States**(12) **Patent Application Publication**  
**Odate**(10) **Pub. No.: US 2016/0023632 A1**(43) **Pub. Date: Jan. 28, 2016**(54) **SEAT BELT DEVICE**(71) Applicant: **HONDA MOTOR CO., LTD.**, Tokyo  
(JP)(72) Inventor: **Shotaro Odate**, Wako-shi (JP)(73) Assignee: **HONDA MOTOR CO., LTD.**, Tokyo  
(JP)(21) Appl. No.: **14/801,951**(22) Filed: **Jul. 17, 2015**(30) **Foreign Application Priority Data**

Jul. 24, 2014 (JP) ..... 2014-150973

**Publication Classification**(51) **Int. Cl.**  
**B60R 22/46** (2006.01)(52) **U.S. Cl.**CPC ..... **B60R 22/46** (2013.01); **B60R 2022/4666**  
(2013.01)(57) **ABSTRACT**

A seat belt device includes: a belt reel that winds a webbing; an electric motor that drives the belt reel to wind; a collision prediction unit that predicts a collision with an object; and a controller that is connected to the collision prediction unit via a network and that performs winding control of the electric motor when a collision with the object is predicted by the collision prediction unit. After the controller receives information on collision prediction from the collision prediction unit via the network, even when a communication failure occurs between the controller and the collision prediction unit, the controller performs control to cause the electric motor to continue winding control.

